

	9	18	27	36	45	54
5' GGA GAG CGG ANG NAN TGG NAT AAC AGG GGA CCG ATG ATG TGG CGA CCA TCA GTT M M W R P S V						
63	72	81	90	99	108	
CTG CTG CTT TTG CTA CTG AGG CAC GGC GCC CAG GGG AAG CCA TTC CCA GAC L L L L L L L Q G K P S P D						
117	126	135	144	153	162	
GCA GGC CCT CAT GGC CAG GGG AGG GTG CAC CAG GCG GCC CCC CTG AGC GAC GGT A G P H G Q G R V H Q A A P L S D A						
171	180	189	198	207	216	
CCC CAT GAT GAC GCC CAC GGG AAC TTC CAG TAC GAC CAT GAG GCT TTC CTG GGA P H D D A H G N F Q Y D H E A F L G						
225	234	243	252	261	270	
CGG GAA GTG GCC AAG GAA TTC GAC CAA CTC ACC CCA GAG GAA AGC CAG GCC CGT R E V A K E F D Q L T P E E S Q A R						
279	288	297	306	315	324	
CTG GGG CGG ATC GTG GAC CGC ATG GAC CGC GCG GGG GAC GGC GAC GGC TGG GTG L G R I V D R M D R A G D G G W V						
333	342	351	360	369	378	
TGG CTG GCC GAG CTT CGC GCG TGG ATC GCG CAC ACG CAG CAG CGG CAC ATA CGG S L A E L R A W I A H T Q Q R H I R						

387 GAC TCG GTG AGC GCG GCC 396 405 414 423 432  
 D S V S A A W D T Y D T D R D G R V  
  
 441 GGT TGG GAG GAG CTG CGC AAC GCC ACC TAT GGC CAC TAC GCG CCC GGT GAA GAA 486  
 G W E E L R N A T Y G H Y A P G E E  
  
 495 TTT CAT GAC GTG GAG GAT GCA GAG ACC TAC AAA AAG ATG CTG GCT CGG GAC GAG 540  
 F H D V E D A E T Y K K M L A R D E  
  
 549 CGG CGT TTC CGG GTG GCC GAC CAG GAT GGG GAC TCG ATG GCC ACT CGA GAG GAG 594  
 R R F R V A D Q D G D S M A T R E E  
  
 603 CTG ACA GCC TTC CTG CAC CCC GAG GAG TTC CCT CAC ATG CGG GAC ATC GTG ATT 648  
 L T A F L H P E E F P H M R D I V I  
  
 657 GCT GAA ACC CTG GAG GAC CTG GAC AGA AAC AAA GAT GGC TAT GTC CAG GTG GAG 702  
 A E T L E D L D R N K D G Y V Q V E

FIGURE 1B

711	720	729	738	747	756
GAG TAC ATC GCG GAT CTG TAC TCA GCC GAG CCT GGG GAG GAG CCG GCG TGG					
E Y I A D L Y S A E P G E E E P A W					
765	774	783	792	801	810
GTG CAG ACG GAG AGG CAG CAG TTC CGG GAC TTC CGG GAT CTG AAC AAG GAT GGG					
V Q T E R Q Q F R D F R D L N K D G					
819	828	837	846	855	864
CAC CTG GAT GGG AGT GAG GTG GGC CAC TGG GTG CTG CCC CCT GGC CAG GAC CAG					
H L D G S E V G H W V L P P A Q D Q					
873	882	891	900	909	918
CCC CTG CTG GAA GCC AAC CAC CTG CTG CAC GAG AGC GAC ACG GAC AAG GAT GGG					
P L V E A N H L L H E S D T D K D G					
927	936	945	954	963	972
CGG CTG AGC AAA GCG GAA ATC CTG GGT AAT TGG AAC ATG TTT GTG GGC AGT CAG					
R L S K A E I L G N W N M F V G S Q					
981	990	999	1008	1017	1026
GCC ACC AAC TAT GGC GAG GAC CTG ACC CGG CAC CAC GAT GAG CTG TGA GCA CCG					
A T N Y G E D L T T R H H D E L					
1035	1044	1053			
CGC ACC TGC CAC AGC CTC AGA GGC CCG CA 3'					

FIGURE 1C

1	MM	---	RPSV	LL	LL	LL	LR	HA	OG	KP	-	SP	DA	GP	HG	QGR	VH	2509570
1	M	ARG	GR	GL	LA	GL	LL	AL	VL	AP	RV	L	RA	KP	T	V	R	GI 1262329
1	M	ARG	GR	---	L	GL	LA	GL	LL	AL	VL	A	---	L	RA	KP	T	GI 220582
36	O	A	A	P	L	S	D	A	P	H	D	A	H	G	N	F	Q	2509570
41	P	D	S	E	L	G	E	R	P	P	E	D	N	Q	S	-	F	GI 1262329
35	P	D	S	E	L	G	E	R	P	P	E	D	N	Q	S	-	F	GI 220582
76	S	O	A	R	L	G	R	I	V	D	R	M	D	R	A	G	D	2509570
80	S	K	E	R	L	G	K	I	V	D	R	I	D	---	N	D	G	GI 1262329
74	S	K	E	R	L	G	K	I	V	D	R	I	D	---	S	D	G	GI 220582
116	D	S	V	S	A	A	W	D	T	Y	D	T	D	R	D	G	R	2509570
118	D	N	V	A	K	V	W	K	D	Y	D	R	D	K	D	K	I	GI 1262329
112	D	N	V	A	K	V	W	K	D	Y	D	R	D	K	D	K	I	GI 220582
155	V	E	D	A	E	T	Y	K	K	M	L	A	R	D	E	R	R	2509570
158	S	S	D	H	H	T	F	F	K	K	M	L	P	R	D	E	R	GI 1262329
152	S	S	D	H	H	T	F	F	K	K	M	L	P	R	D	E	R	GI 220582

FIGURE 2A

195	EEFPHMRD	I	V	I	A	E	T	L	E	D	L	D	R	N	K	D	G	Y	V	O	V	E	E	Y	I	A	D	L	Y	S	A	E	P	2509570		
198	EEFPHMRD	I	V	I	A	E	T	L	E	D	I	D	K	N	G	D	G	F	V	D	D	Q	D	E	Y	I	A	D	M	F	S	H	E	E	GI 1262329	
192	EEFPHMRD	I	V	I	A	E	T	L	E	D	I	D	K	N	G	D	G	F	V	D	Q	D	E	Y	I	A	D	M	F	S	H	E	D	GI 220582		
235	GEEPAWVQ	T	E	R	O	Q	F	R	D	F	R	D	L	N	K	D	G	H	L	D	G	S	E	V	G	H	V	L	P	P	A	2509570				
238	NGPEPD	W	V	L	S	E	R	E	Q	F	N	E	F	R	D	L	N	K	D	G	K	L	D	K	D	E	I	R	H	W	I	L	P	Q	D	GI 1262329
232	NGPEPD	W	V	L	S	E	R	E	Q	F	N	D	F	R	D	L	N	K	D	G	K	L	D	K	D	E	I	R	H	W	I	L	P	Q	D	GI 220582
275	QDOPLVEA	N	H	L	L	H	E	S	D	T	D	K	D	G	R	L	S	K	A	E	I	L	G	N	W	N	M	F	V	G	S	Q	A	2509570		
278	YDHAQA	E	A	R	H	L	V	Y	E	S	D	K	N	K	D	E	K	L	T	K	E	E	I	L	E	N	W	N	M	F	V	G	S	Q	A	GI 1262329
272	YDHAQA	E	A	R	H	L	V	Y	E	S	D	K	N	K	D	E	M	L	T	K	E	E	I	L	D	N	W	N	M	F	V	G	S	Q	A	GI 220582
315	TNYGED	L	T	R	H	H	D	E	L																											
318	TNYGED	L	T	K	N	H	D	E	L																											
312	TNYGED	L	T	K	N	H	D	E	L																											

FIGURE 2B

09766640-012301

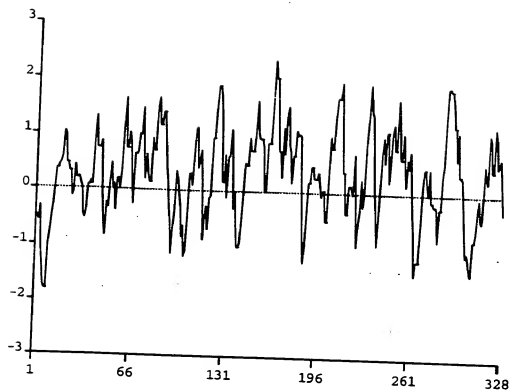


FIGURE 3A

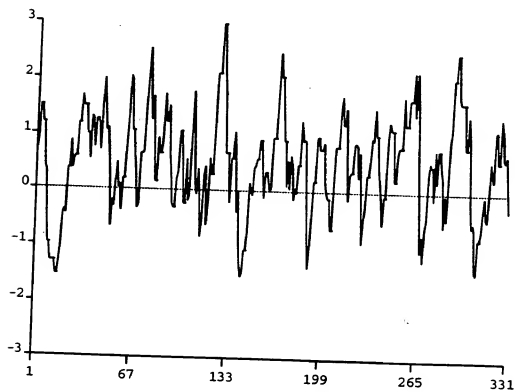


FIGURE 3B